

SECTION 07 01 08

ROOF REPLACEMENT

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Built-up Bituminous Roofing
- B. Single-Ply Membrane Roofing
- C. Copper Sheet Roofing
- D. Roof Deck Insulation

1.02 RELATED SECTIONS

- A. Coordinate the work of this Section with the work of other Sections specifying remedial work, corrective measures, and restoration work, including Section 02 41 19 - Selective Structure Demolition, and the other Sections of Division 7 - Thermal and Moisture Protection as applicable to the work.

1.03 DESCRIPTIONS

- A. The Work includes all required related metal flashings, roof drains, metal gutters and downspouts as indicated.
- B. The station or building involved in this work will be in continuous operation during the construction period. This will require that the Contractor plan the Work carefully to work around unavoidable obstacles in the prosecution of the Work. It will require further that the Contractor complete some new construction facilities required in the renovation work before proceeding with the re-roofing work.
- C. Provide such additional temporary facilities as may be required to facilitate continuous, unobstructed station or building operation during transitional construction work.

1.04 MEASUREMENT AND PAYMENT

- A. General: Measurement and payment for re-roofing will be either by the lump-sum method or by the unit-price method as determined by the listing of the bid item for re-roofing indicated in the Bid Schedule of the Bid Form.
- B. Lump Sum: If the Bid Schedule indicates a lump sum for re-roofing, the lump-sum method of measurement and payment will be in accordance with Section 01 20 00 - Price and Payment Procedures, Article 1.03.
- C. Unit Prices: If the Bid Schedule indicates a unit price for reroofing, the unit-price method of measurement and payment will be as follows:

- 1. Measurement

- a. Reroofing, including removal of existing roofing, restoration of existing roof deck, new roof deck insulation, and new roofing, will be measured for payment by the square yard (square), as indicated in the Bid Schedule of the Bid Form, acceptably furnished and installed.
 - b. Substrate preparation, installation accessories, flashings, related metalwork, protection of non-roofed areas from moisture, and protection of completed surfaces will not be measured separately for payment, but will be considered included with the square measurement specified above.
2. Payment: Reroofing, will be paid for at the Contract Unit Price for the computed quantities as determined by the measurement method specified in Article 1.04.C.1.

1.05 REFERENCES

- A. Comply with the Reference Standards specified in the other Sections of Division 7 as applicable to the re-roofing work.

1.06 REGULATORY REQUIREMENTS

- A. In addition to the foregoing specified referenced standards, the regulatory requirements which govern the work of this Section include the following governing code:
 1. California Code of Regulations (CCR), Title 24, Part 2, California Building Code, Appendix Chapter 15, "Reroofing," and Chapter 34, "Existing Structures."

1.07 SUBMITTALS

- A. Provide submittals in accordance with the requirements of the other Division 7 Sections as applicable to the reroofing work, for the Engineer's review.

1.08 QUALITY ASSURANCE

- A. Reroofing work shall conform with the installation instructions and recommendations of the manufacturer of the roofing materials to be provided for this work.
- B. Quality assurance for the reroofing work shall conform with the quality assurance requirements of the other Division 7 Sections applicable to the work.

1.09 ENVIRONMENTAL CONDITIONS AND PROTECTIONS

- A. Comply with the requirements of Section 07 51 00 - Built-up Bituminous Roofing.

1.10 GUARANTY

- A. Provide Contractor's and manufacturer's guaranty as specified in the Division 7 Sections applicable to the work.

PART 2 - PRODUCTS

2.01 MATERIALS, EQUIPMENT, AND FACILITIES

- A. Requirements: Provide all materials, equipment, tools, appurtenances, facilities, and services required for performing and completing reroofing work as indicated.
- B. Roofing Materials: Roofing materials shall conform with the applicable Division 7 Sections for the type of roofing indicated, as follows:
 - 1. Roof Deck Insulation: Materials shall conform with the requirements of Section 07 22 00 - Roof and Deck Insulation.
 - 2. Built-up Bituminous Roofing: Materials shall conform with the requirements of Section 07 51 00 - Built-up Bituminous Roofing.
 - 3. Single-ply Membrane Roofing: Materials shall conform with the requirements of Section 07 53 23 - Ethylene Propylene Diene Monomer (EPDM) Roofing
 - 4. Copper Sheet Roofing: Materials shall conform with the requirements of Section 07 61 00 - Sheet Metal Roofing.

PART 3 - EXECUTION

3.01 EXAMINATION AND PREPARATION

- A. After removal of existing roofing, examine all roof deck surfaces for damaged and defective decking. Damaged or defective decking shall be repaired or replaced as required to provide substantial substrate surfaces conducive to the installation of new roof deck insulation and roofing. Substrate surfaces shall be clean and dry before beginning reroofing work.

3.02 ROOF DECK INSULATION

- A. Where indicated or required, install roof deck insulation over prepared and clean substrate surfaces in accordance with the requirements of Section 07 22 00, Roof and Deck Insulation.

3.03 INSTALLATION OF NEW ROOFING

- A. New roofing shall be installed in accordance with the requirements of the Division 7 Roofing Sections applicable to the work of this Section.
- B. All work shall be performed and completed as required to obtain the required guaranty.

END OF SECTION 07 01 08